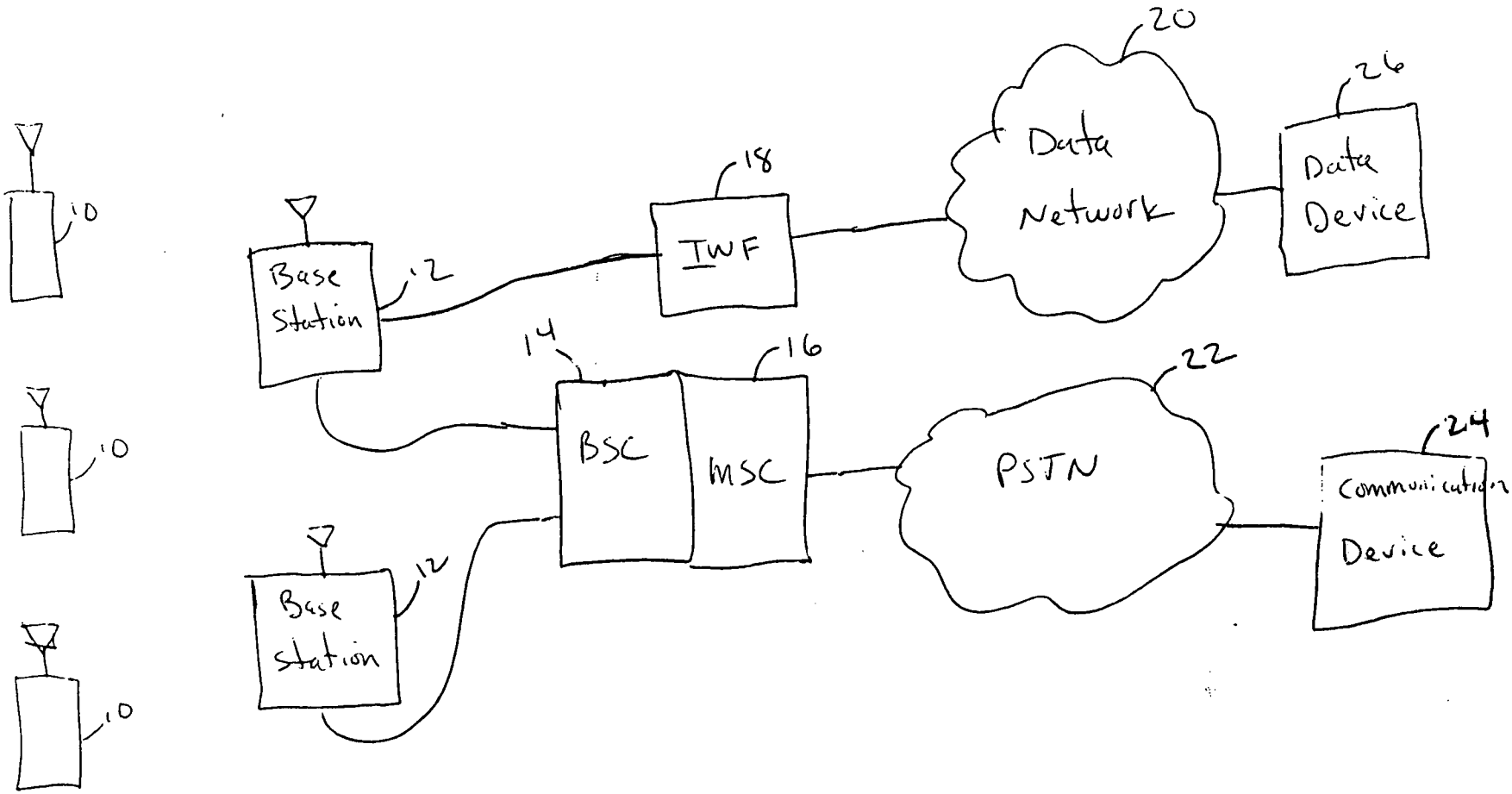

10
10
10
Base Station
12
Base station
12
IWF
18
BSC
14
MSC
16
Data Network
20
PSTN
22
Data Device
26
Communication Device
24

Fig. 1

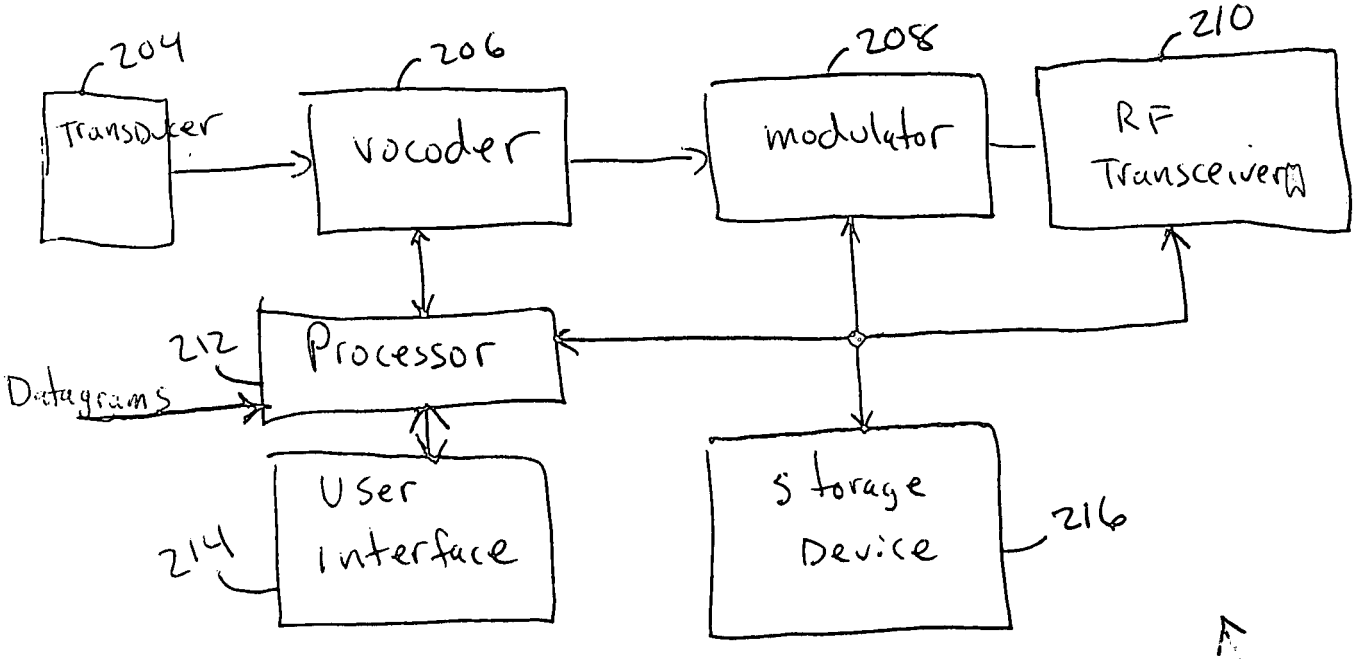

204
Transducer
206
vocoder
208
modulator
210
RF
Transceiver
212
Processor
Datagrams
User
Interface
214
Storage
Device
216
200

Fig. 2

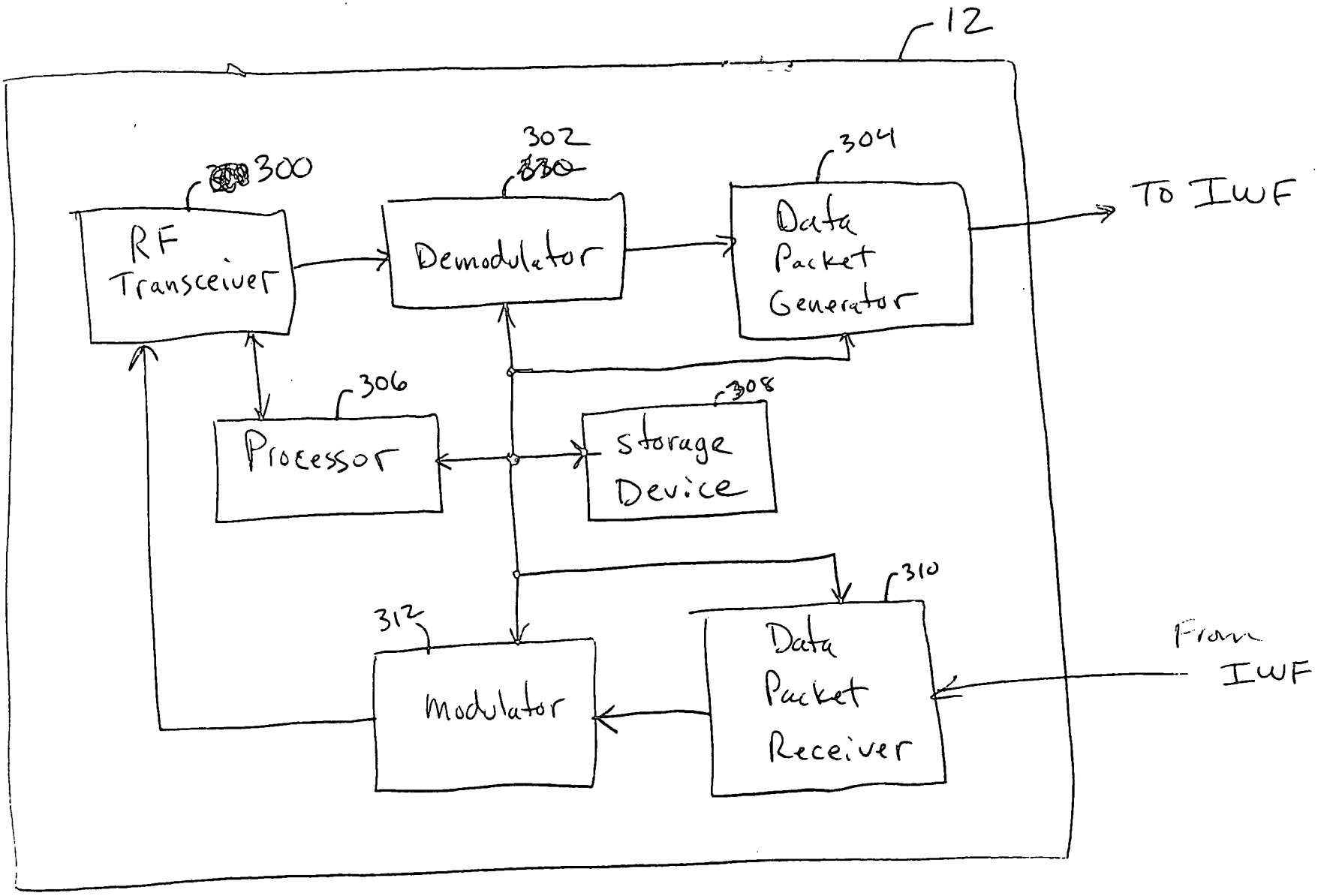
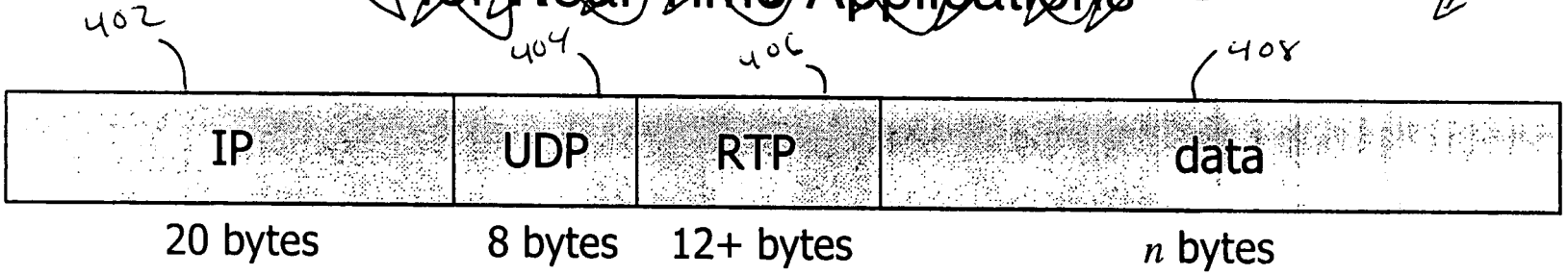

12
300
302
304
RF Transceiver
Demodulator
Data Packet Generator
To IWF
306
308
Processor
storage Device
310
312
Modulator
Data Packet Receiver
From IWF

Fig 3.

Fig 4

RTP?

Application Level Transport Protocol for Real-Time Applications



RFC 1889

draft-ietf-avt-rtp-new-01

QUALCOMM

ecr@qualcomm.com

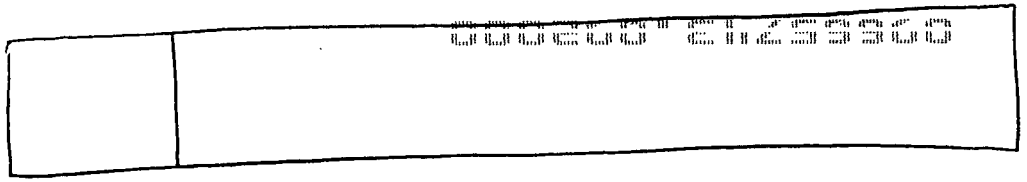


Fig. 5

IP Header

402

31 30 29 28 27 26 25 24	23 22 21 20 19 18 17 16	15 14 13 12 11 10 09 08	07 06 05 04 03 02 01 00
total length		type-of-service	ip_hl / ip_v
IP fragment offset		identification	
IP checksum		protocol	ttl
IP source address			
IP destination address			

504

506

502

32 bits * 5 = 20 bytes

QUALCOMM

ecr@qualcomm.com

Fig. 6

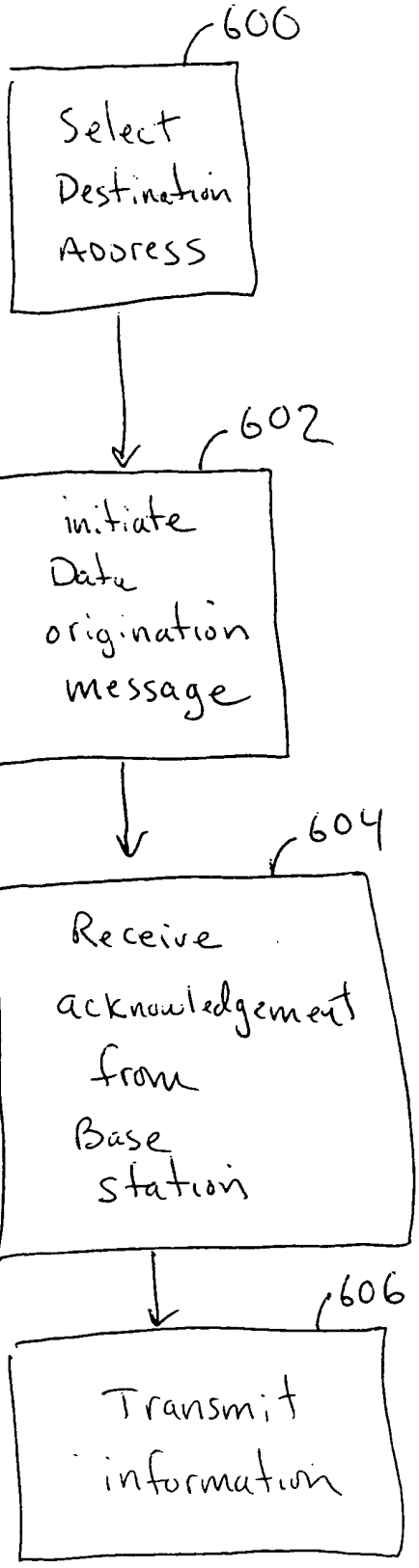
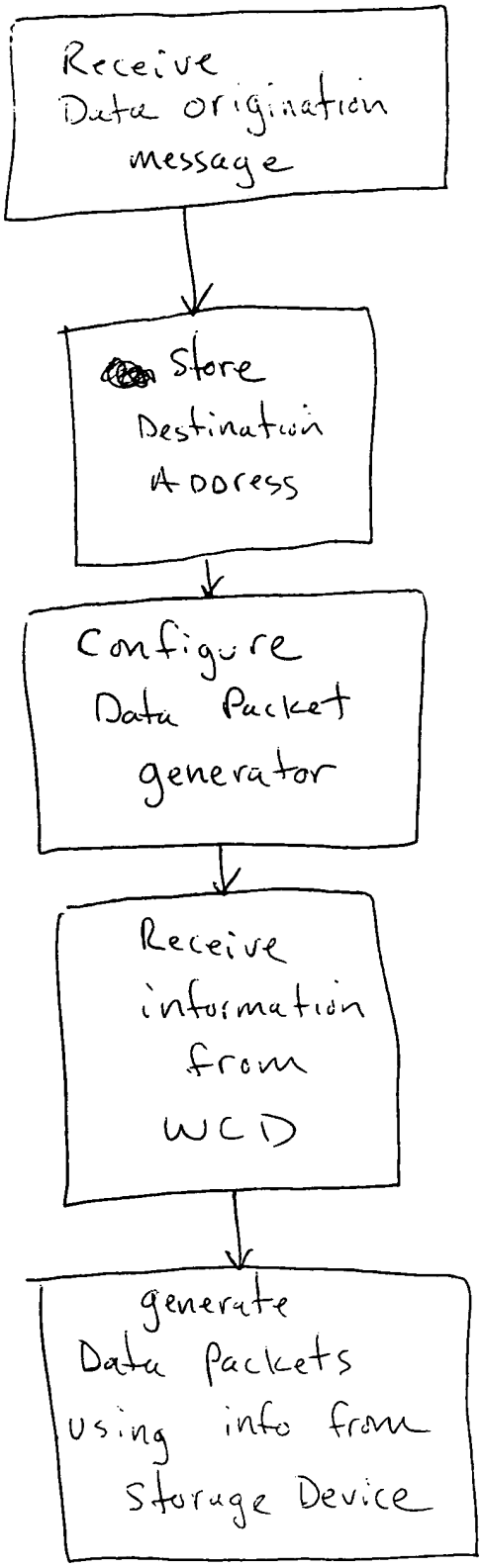

600
Select Destination Address
602
initiate Data origination message
604
Receive acknowledgement from Base station
606
Transmit information

Fig. 7


Receive Data origination message
Store Destination Address
Configure Data Packet generator
Receive information from WCD
generate Data Packets using info from Storage Device

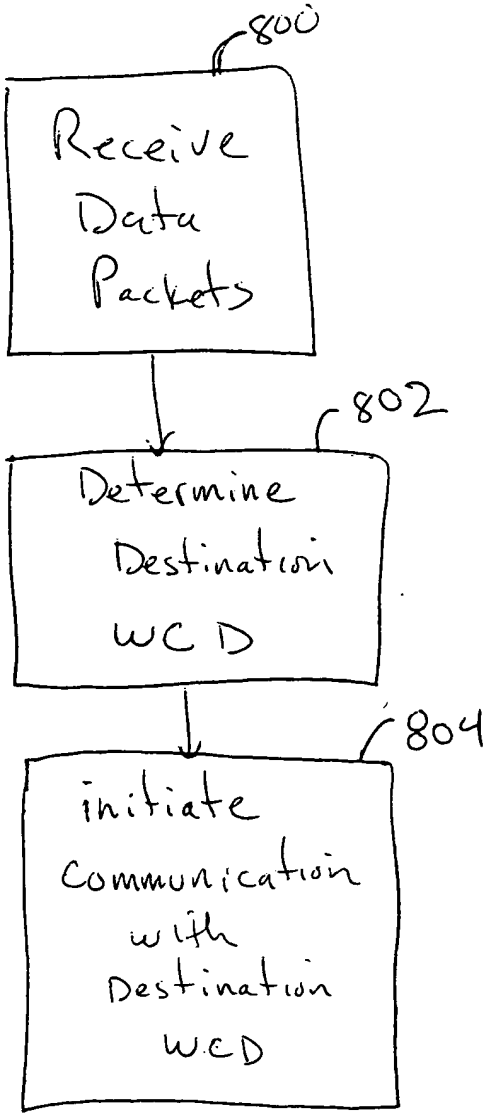

800
Receive Data Packets
802
Determine Destination WCD
804
initiate Communication with Destination WCD

Fig. 8